

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20070178264").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 12:58
S3	3	("2003277502").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 13:48
S4	2	("2002292656").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 13:50
S5	2	("2001142313").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 13:52
S6	145	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:54
S8	16	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine and carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:55
S9	2	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine same carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:55

EAST Search History (Prior Art)

S10	9	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine and carbon black	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:57
S11	3	("2003213014").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 14:08
S12	2	"10182820".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:32
S13	12762	rotation\$6 near (mold\$4 or mould\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:56
S14	5	seamless tubular polyimide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:56
S15	2	S14 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:56
S16	3	("2003261768").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 09:45

EAST Search History (Prior Art)

S17	3	("4190936").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 09:46
S19	2	"63037136".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 09:48
S21	6	((("6352750") or ("6217963") or ("5389412"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 10:14
S23	4	S21 and carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:15
S24	2	("6303054").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 10:31
S25	9504	(seamless or jointless) with (pipe or tubu\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:45
S26	240561	polyimide or (polyamic acid) or poly(amic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:45

EAST Search History (Prior Art)

S27	288		S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/06/16 10:46
S28	46		S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:46
S31	281	asymmetric\$4 with (dianhydride or (carboxylic near ester))		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:48
S32	1		S28 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:48
S33	96		S26 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:49
S34	67	S26 and S31 and carbon		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:49
S35	15	S26 and S31 and carbon and (equimol\$4)		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:49

EAST Search History (Prior Art)

S36	3	S34 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:51
S37	10	S26 and S31 and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:53
S38	609	(1,2,3,4-benzenetetracarboxylic acid) or (1,2,6,7-naphthalenetetracarboxylic acid) or (2,3,3',4'-biphenyltetracarboxylic acid) or (2,3,3',4'-benzophenonetetracarboxylic acid) or (2,3,3',4'-diphenyl ether tetracarboxylic acid) or (2,3,3',4'-diphenylmethanetetracarboxylic acid) or (2,3,3',4'-diphenylsulfonetetracarboxylic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:57
S39	2588	(1,2,4,5-benzenetetracarboxylic acid) or (2,3,6,7-naphthalenetetracarboxylic acid) or (3,3',4,4'-biphenyltetracarboxylic acid) or (3,3',4,4'-benzophenone tetracarboxylic acid) or (3,3',4,4'-diphenyl ether tetracarboxylic acid) or (3,3',4,4'-diphenylmethanetetracarboxylic acid) or (3,3',4,4'-diphenylsulfonetetracarboxylic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:58
S40	416	S38 and S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:58
S41	60	S40 and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:59
S43	52	(S38 with S39) and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:01

EAST Search History (Prior Art)

S45	46	S43 and film	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:02
S47	2	(S38 with S39 with ester) and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:35
S48	26	(S31 or S40) and ester and (carbon near black) and (oligomer or pre\$1polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:40
S49	22	(S31 or S40) and ester and (carbon near black) and (oligomer or pre\$1polymer) and film	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:40
S50	5955	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) same S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 12:24
S51	10	(S31 or S40) and ester and (carbon near black) and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 12:24
S52	12	(S31 or S40) and (carbon near black) and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 12:26

EAST Search History (Prior Art)

S54	306	(asymmetric\$4 or non-symmetric or symmetric) with (dianhydride or (carboxylic near ester))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 13:34
S55	25	S54 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 13:35
S56	2	S55 and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 13:35
S57	545	(asymmetric\$4 or non-symmetric or symmetric) same (dianhydride or (carboxylic near ester))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 13:39
S58	29	S57 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 13:39
S59	8	s-bpda with a-bpda and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:19
S60	354	S38 with S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:37

EAST Search History (Prior Art)

S61	19	S38 with S39 with combinat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:37
S62	2	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) and S61 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:38
S64	5	S61 and (carbon black) and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:40
S65	2	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) and S64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:41
S68	68	S38 same S39 same combinat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:51
S69	11	S68 and (carbon black) and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:51
S71	2	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:52

EAST Search History (Prior Art)

S72	546	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) with (polyamic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:53
S73	69	S72 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:54
S74	0	S72 and (carbon black) and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:54
S75	1	S72 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:54
S76	2668	dianhydride same combinat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:00
S77	31	S72 and S76 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:01
S78	31	S72 and S76 and (carbon black) and ester	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:01

EAST Search History (Prior Art)

S79	2802	dianhydride same (combinat\$4 or (at least) or (more than))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:06
S87	609	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) with ((polyamic acid) or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:28
S90	456	((amic acid) or (polyamic acid) or poly(amic acid)) with oligome\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:00
S91	58	S90 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:00
S92	19	(S90 with weight) and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:00
S93	22	(S90 with weight) and graphite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:25
S94	2802	dianhydride same (combinat\$4 or (at least) or (more than))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:26

EAST Search History (Prior Art)

S95	10	(S90 with weight) and graphite and S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:26
S96	12	(S90 with weight) and ((carbon black) or graphite) and S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:27
S97	240561	polyimide or (polyamic acid) or poly(amic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:53
S98	1614	S97 and 528/353.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:53
S10 5	258	diamine same (dianhydride with ester) same (temperature or degree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 10:58
S10 7	91	diamine same (dianhydride with ester) same (temperature or degree) and (polyamic acid) and polyimide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 10:59
S10 8	50	diamine same (dianhydride with ester) same (temperature or degree) and (polyamic acid) and polyimide.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 10:59

EAST Search History (Prior Art)

S109	39	diamine with (dianhydride with ester) with (temperature or degree) and (polyamic acid) and polyimide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:02
S110	82	diamine with (dianhydride with ester) with (temperature or degree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:06
S111	12	diamine with (dianhydride with ester) with (temperature or degree) same oligomer\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:07
S112	42	diamine with (dianhydride with ester) with heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:10
S113	0	(yokota or goto or ozawa).in. and ube.as. and (polyamid acid oligomer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:32
S114	0	(yokota or goto or ozawa).in. and (polyamid acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:32
S115	1	("2005/0014925").URPN.	USPAT	ADJ	ON	2009/06/17 11:33
S116	149	(carbon black) with graphite with conductivit\$4 and polyimide	USPAT	ADJ	ON	2009/06/17 11:35
S117	1	(carbon black) with graphite with conductivit\$4 with equivalent and polyimide	USPAT	ADJ	ON	2009/06/17 11:36

EAST Search History (Prior Art)

S11 8	52262	yano.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:38
S11 9	5	yano.in. and (carbon black) and (polyamic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:38
S12 1	2	("6732488").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/23 20:09
S12 2	2	("5138028").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/23 20:28
S12 3	2	("6303054").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/23 20:30
S12 4	1	"10591326".rlan. or ("10".src. and "591326".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/12/22 18:50